

Issue No. 1

EDITORIAL

The 1990s—The Decade for Generalists to Lead the Way
Arno Rosemarin

CLIMATE CHANGE IN SCANDINAVIA

Greenhouse Impact in Fennoscandia—Preliminary Findings of a European Workshop on the Effects of Climatic Change
M.M. Boer, E.A. Koster and H. Lundberg

MERCURY

CONTAMINATION IN BRAZIL

Mercury Pollution Due to Gold Mining in the Madeira River Basin, Brazil
O. Malm, C. Pfeiffer, C.M.M. Souza and R. Reuther

RESOURCE MANAGEMENT IN TANZANIA

Resource Potentials of the Rufiji River Basin, Tanzania
R.B.B. Mwalyosi

WETLAND RESTORATION IN THE MEDITERRANEAN

Limnological Criteria for the Rehabilitation of a Coastal Marsh: The Albufera of Majorca, Balearic Islands
A. Martinez-Taberner, G. Moyà, G. Ramón and V. Forteza

NUTRIENTS AND

AQUACULTURE IN SWEDEN

Discharge of Nutrients from Swedish Fish Farming to Adjacent Sea Areas
H. Ackefors and M. Enell

IDENTIFYING

ORGANOCHLORINES

On The Identity of Chlorinated Organic Substances in Aquatic Organisms and Sediments
C. Wesén, G.E. Carlberg and K. Martinsen

NITROGEN IN FORESTS

Nitrogen Cycling in High Elevation Forests of the Northeastern US in Relation to Nitrogen Deposition
S.G. McNulty, J.D. Aber, T.M. McLellan and S.M. Katt

BOOK REVIEW

Tropical Forests. Botanical Dynamics, Speciation and Diversity
O. Hedberg

THE RIVER GANGA, INDIA

Cleaning the River Ganga: Rhetoric and Reality
S. Ahmed

LAND REHABILITATION IN INDIA

Rehabilitation of Degraded Lands in the Himalayan Foothills: Peoples Participation
S.S. Grewal, S.P. Mittal and G. Singh

GLOBAL CHANGE NEWS

MONTREAL OZONE PROTOCOL

The Montreal Protocol: A Dynamic Agreement for Protecting the Ozone Layer
J. Koehler and S.A. Hajost

MICROANALYSIS OF TREE RINGS

Elemental Micro Patterns in Tree Rings—A Feasibility Study Using Scanning Proton Microprobe Analysis
G. Lövestam, E.-M. Johansson, S. Johansson and J. Pallon

NORTH-SOUTH

The North-South Perspective: Alienation or Interdependence?
A. Agarwal

CONSERVATION CORRIDORS

Nature Conservation: The Role of Corridors
R.J. Hobbs

US ENERGY EFFICIENCY

Why the Federal Government Should Help Improve US Energy Efficiency
E. Hirst

BOOK REVIEW

Cultural Norms, War and the Environment
F. Barnaby

GLOBAL CHANGE NEWS

Issue No. 3

EDITORIAL

Marine Eutrophication: A Growing International Problem
S. Nixon

INTRODUCTION—MARINE EUTROPHICATION IN SWEDEN

Marine Eutrophication Case Studies in Sweden
R. Rosenberg, R. Elmgren, S. Fleischer, P. Jonsson, G. Persson and H. Dahlin

EFFECTS IN THE BALTIC SEA

Biological Effects of Eutrophication in the Baltic Sea, Particularly the Coastal Zone
H. Cederwall and R. Elmgren

EFFECTS ON THE SWEDISH WEST COAST

Effects of Eutrophication on Benthic Communities Including Fish: Swedish West Coast
S.P. Baden, L.-O. Loo, L. Pihl and R. Rosenberg

EFFECTS ON BALTIC SEA FISH

Eutrophication and Baltic Fish Communities
S. Hansson and L.G. Rudstam

NUTRIENT BALANCE IN THE BALTIC

Nutrient Dynamics of the Baltic Sea
F. Wulff, A. Stigebrandt and L. Rahm

EUTROPHICATION MECHANISMS

Interaction Between Supply of Nutrients, Primary Production, Sedimentation and Oxygen Consumption in SE Kattegat
L. Rydberg, L. Edler, S. Floderus and W. Granéli

NITROGEN AND PHOSPHORUS LIMITATION

Nutrient Limitation of Primary Production in the Baltic Sea Area
E. Granéli, K. Wallström, U. Larsson, W. Granéli and R. Elmgren

BALTIC SEA SEDIMENTS

Laminated Sediments in the Baltic—A Tool for Evaluating Nutrient Mass Balances
P. Jonsson, R. Carman and F. Wulff

NITROGEN IN SEDIMENTS

Nitrogen Transformations in the Kattegat
V. Enoksson, F. Sörensson and W. Granéli

BALTIC SEA SEDIMENT CORE ANALYSIS

Siliceous Microfossil Stratigraphy in a Superficial Sediment Core From the Northwestern Part of the Baltic Proper
J. Risberg

SEWAGE TREATMENT FOR THE FUTURE

Ecological Engineering for Wastewater Treatment and its Application in New England and Sweden
B. Guterstam and J. Todd

WETLAND MANAGEMENT AND RESTORATION

An International Research Effort on Land/Inland Water Ecotones in Landscape Management and Restoration 1990-1996
H. Décamps, F. Fournier, R.J. Naiman and R.C. Petersen Jr.

Issue No. 4

EDITORIAL

The Bergen Process—Action in Europe for Our Common Future
Arno Rosemarin

COASTAL EFFECTS OF MARINE AEROSOLS

Transport, Deposition and Distribution of Marine Aerosols over Southern Sweden During Dry Westerly Storms
L.G. Franzén

CHANGES IN

ECOSYSTEM ENERGY FLOW

Human Impacts on Energy Flow Through Natural Ecosystems, and Implications for Species Endangerment
D.H. Wright

BIRD HABITATS IN SWEDEN

Habitat Analysis from Infra-red Aerial Photographs and the Conservation of Birds in Swedish Agricultural Landscapes
J.G.M. Robertson, B. Eknert and M. Ihse

TROPICAL FORESTS AND ATMOSPHERIC CO₂

The Future Role of Tropical Forests in Affecting the Carbon Dioxide Concentration of the Atmosphere
R.A. Houghton

LONG-TERM TRENDS IN SWEDISH RIVERS

Changes in the Flux of Some Major Dissolved Components in Swedish Rivers During the Present Century
R. Löfvendahl

ALTERNATIVE ENERGY FORMS IN USSR

Alternative Power Sources in Use in the USSR
V. Batenin

SELLAFIELD LOW-LEVEL RADIATION EFFECTS

Leukaemia and Lymphoma Near the Sellafield Reprocessing Plant
F. Barnaby

ENVIRONMENTAL SCIENCE AND RELIGION

Preserving and Cherishing the Earth: An Appeal for Joint Commitment in Science and Religion

GLOBAL CHANGE NEWS

Issue No. 5

EDITORIAL

The Importance of Information Linkages Between Scientists and Politicians in Order to Solve Global Environmental Problems
A. Rosemarin

CARBON DIOXIDE

Balancing Atmospheric Carbon Dioxide
T.J. Goreau

SUSTAINABLE DEVELOPMENT IN SRI LANKA

Conserving Sinharaja—An Experiment in Sustainable Development in Sri Lanka
N. Ishwaran and W. Erdelen

DEEP-SEA MINING

Deep-Sea Mining, Environmental Impact and the DISCOL Project
H. Thiel and G. Schriever

Issue No. 2

EDITORIAL

Sustainability as a New and Necessary Philosophy
Arno Rosemarin

IMPACTS OF THE OZONE HOLE

Addressing the Biological Effects of Decreased Ozone on the Antarctic Environment
M. Voytek

PERCEPTIONS OF NATURE

Expecting the Unexpected: Some Ancient Roots to Current Perceptions of Nature
I.M.B. Wiman

POLISH FORESTS

Industrial Pollution: The Threat to Polish Forests
K.R. Mazurski

ENERGY IN TURKEY

Analysis of Energy and Environmental Problems in Turkey by Using a Decision Support Model
E. Plinke, H.-D. Haasis, O. Rentz and M. Sivrioglu

ECOTOXICOLOGY

New Approaches in Ecotoxicology: Can Interindividual Physiological Variability Be Used as a Tool to Investigate Pollution Effects?

M.H. Depledge

251-252

TROPICAL FORESTS

Natural Forest Management in the Humid Tropics: Ecological, Social, and Economic Considerations

R.J. Buschbacher

253-258

PULP-MILL TOXICOLOGY

Mixed-Function Oxygenase Enzyme Responses and Physiological Disorders in Fish Exposed to Kraft Pulp-Mill Effluents: A Hypothetical Model

K.-J. Lehtinen

259-265

BALTIC SEALS

Skull Asymmetry in the Baltic Grey Seal: Effects of Environmental Pollution

V.M. Zakharov and A.V. Yablokov

266-269

GLOBAL CHANGE CONTACTS

Global Environmental Research: Who's Doing What?

A. Clayson

270-272

FISH AND NUTRITION

Fish in Human Nutrition Research and the Implications for Aquaculture

D. Randall, L. Bolis and E. Agradi

272-275

ENVIRONMENT IN INDIA

Doon Valley: A Significant Ecological Triumph

R. Rao

274-275

BOOK REVIEW

Famine Early Warning Systems. Victims and Destitution

A. Rapp

276

GLOBAL CHANGE NEWS

277

Issue No. 6-7

EDITORIAL

CFCs and the Stratospheric Ozone Layer

A. Rosemarin and A. Rosencranz

279

BACKGROUND

Some Background on CFCs

A. Rosemarin

280

SCIENTIFIC AND TECHNICAL ASPECTS

Stratospheric Ozone Depletion by Chlorofluorocarbons

F.S. Rowland

281-292

Ozone and Climate Changes in the Light of the Montreal Protocol: A Model Study

C. Brühl and P.J. Crutzen

293-301

LEGAL AND POLICY ASPECTS

The Montreal Protocol: Pollution Prevention on a Global Scale

S.R. Seidel and D.P. Blank

301-304

Beyond Vienna and Montreal—Multilateral Agreements on Greenhouse Gases

D.A. Wirth and D.A. Lashof

305-310

Supplementing the Montreal Protocol: The Need for Domestic Legislation

J.H. Chafee and S.J. Shimberg

310-312

DEVELOPING COUNTRIES

CFC Abatement: The Needs of Developing Countries

A. Rosencranz and R. Milligan

312-316

CFCs in the Developing Nations: A Major Economic Development Opportunity. Will the Institutions Help or Hinder?

G.D. Phillips

316-320

BUSINESS AND INDUSTRY

Industry Responses to the Montreal Protocol

C.A. Moore

320-323

Cutting the Cost of Environmental Policy: Lessons from Business Response to CFC Regulation

D.J. Dudek, A.M. LeBlanc and K. Sewall

324-328

Replacing CFCs: The Search for Alternatives

J.S. Hoffman

329-333

THE ENVIRONMENTAL COMMUNITY

Global Environmental Advocacy: Citizen Activism in Protecting the Ozone Layer

E. Cook

334-338

The Development of Substitutes for Chlorofluorocarbons: Public-Private Cooperation and Environmental Policy

A. Miller

338-340

ACTION IN SWEDEN

A Profile of Measures Taken in Sweden to Protect the Stratospheric Ozone Layer

H. Ahmadzai and T. Hedlund

341-343

Issue No. 8

EDITORIAL

Grass-roots Research on Sustainable Development in Developing Countries

N. Kautsky and B. Ganning

345

SCIENCE IN

THE DEVELOPING WORLD

Promoting Indigenous Research Capacities in Developing Countries—The International Foundation for Science (IFS) and Its Work

C.-H. Schiel

346-348

Science in the Developing World: Foreign Aid and National Policies at a Crossroad

J. Gaillard

348-353

CROPS RESEARCH

Developments in Crop Research for the Third World

K. Caesar

353-357

Diseases and Pests Affecting Cowpea (*Vigna unguiculata* (L.) Walpers) in Niger

T. Adam

358-360

Nutritional Evaluation of Jackbean (*Canavalia ensiformis*) for the Nigerian Poultry Industry

A.B.I. Udedibie

361-365

Plant Chemicals and Resistance of Cereals to Aphids

L.J. Corcuera

365-367

Pesticide Residues in Lake Mchlwaine, Zimbabwe

A.T. Mhlanga and T.J. Madziva

368-372

DEFORESTATION AND FORESTRY RESEARCH

Deforestation in the Tropics and Proposals to Arrest It

F. Le Tacon and J.L. Harley

372-378

Forest Research and Development in Papua New Guinea

S.M. Saulei

379-382

The Mycorrhizal Association of the Dipterocarpaceae in the Tropical Rain Forests of Malaysia

S.S. Lee

383-385

Impacts of Native Trees on Tropical Soils: A Study in the Atlantic Lowlands of Costa Rica

F. Montagnini and F. Sancho

386-390

SUSTAINABLE

LIVESTOCK PRODUCTION

Future Strategies for Livestock Production in Tropical Third World Countries

T.R. Preston

390-393

Leptospirosis in Cattle in Zimbabwe

S.B. Feresu

394-396

Intensive Sustainable Livestock Production: An Alternative to Tropical Deforestation

E. Murgueitio

397-400

AQUACULTURE RESEARCH

Aquaculture Research as a Tool in International Assistance

E.A. Huisman

400-403

Rice/Fish Farming in Malaysia: A Resource Optimization

A.B. Ali

404-408

Goat/Fish Integrated Farming in the Philippines

L.P. Libunao

408-410

Genetic Evaluation of Chinese Carps

Li Sifa

411-415

Algal Production from Agro-Industrial and Agricultural Wastes in Malaysia

S.M. Phang

415-418

ETHNOPHARMACOLOGY AND MEDICINAL PLANTS

Ethnopharmacology and Its Role in Third World Countries

E. Elisabetsky and D.S. Nunes

419-421

Rain Forests of Madagascar: Sources of Industrial and Medicinal Plants

P. Rasoanaivo

421-424

BIOGAS RURAL TECHNOLOGY

Biogas: Evaluation of Actions and Prospects for the Rural Environment in Africa

R. Rabezandrina

424-426

AMBIO INDEX VOLUME XIX, 1990

427-428

**Reproduced with the permission of Pergamon Press Inc., by University
Microfilms Inc. Duplication or resale without permission is prohibited.**

